



DEPARTMENT OF WATER RESOURCES
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

OPERATIONS RESEARCH SPECIALIST III
OPEN STATEWIDE

FINAL FILING DATE	<p>July 13, 2012</p> <p>Examination Application form (STD 678 Rev. 6/2010) must be postmarked, or submitted in person, no later than the final filing date. Applications postmarked, personally delivered, or submitted via interoffice mail after the final filing date will not be accepted for any reason. <u>FAXED OR EMAILED APPLICATIONS WILL NOT BE ACCEPTED</u>.</p>
WHO SHOULD APPLY	<p>This is an open statewide examination. Applications will not be accepted on a promotional basis. Career Credits do not apply.</p>
HOW TO APPLY	<p>You must complete the Examination Application form (STD 678 Rev. 6/2010) by the final filing date, July 13, 2012.</p> <div><div><p>❖ MAIL:</p><p>Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</p></div><div><p>❖ SUBMIT IN PERSON:</p><p>Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</p></div></div> <p>DO NOT MAIL APPLICATIONS TO THE STATE PERSONNEL BOARD OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm , local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.jobs.ca.gov.</p>
IDENTIFICATION REQUIRED	<p>Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.</p>
SPECIAL TESTING ARRANGEMENTS	<p>If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.</p>
SALARY RANGE	<p>\$5439- \$6610</p>
ELIGIBLE LIST INFORMATION	<p>An open statewide eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.</p>
EXAMINATION DATES	<p>The entire examination will consist of a Written Test. It is anticipated the test will be held during August/ September 2012.</p>
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<p>NOTE: All applicants must meet the minimum qualifications for this examination by the final filing date, July 13, 2012.</p> <p>Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II, "or" III, etc. For example, candidates who possess qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.</p> <p>Either I</p> <p>One year of experience in the California state service performing duties of an Operations Research Specialist II.</p> <p>Or II</p> <p>Experience: Four years of progressively responsible technical experience in the conduct of studies involving the application of operations research techniques. At least one year of the required experience shall have been with complete responsibility for such studies. (Experience in California state service applied toward this requirement must have included at least one year performing the duties of a class at a level of responsibility not less than that of an Operations Research Specialist II.) (A Master's Degree in Operations Research, Mathematics, Physics, Statistics, Economics, or related area may be substituted for two years of the required experience. A doctor's degree in the same disciplines may be substituted for the experience requirement.)</p> <p>and</p> <p>Education: Graduation from college preferably with a major in mathematics or a related field.</p>

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

POSITION DESCRIPTION	<p>An Operations Research Specialist III, under general direction, conducts the more difficult and complex studies involving operations research and numerical analysis techniques with statewide implications. Provides consultative services in mathematical modeling. Presents the results of their work to management and leads the work of others. Performs other related work as required.</p> <p><i>Positions exist statewide with the Department of Water Resources.</i></p>
VETERANS PREFERENCE/ CAREER CREDITS	<p>Veterans Preference Credit is not granted in this examination. Career credits will not be granted.</p>
EXAMINATION INFORMATION	<p>This examination will consist of a Written Test – Weighted 100%. In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the Performance Test. COMPETITORS WHO DO NOT APPEAR FOR THE PERFORMANCE TEST WILL BE DISQUALIFIED.</p>
SCOPE OF EXAMINATION	<p>Written Test – Weighted 100.00%</p> <p>In addition to evaluating the competitor's relative abilities as demonstrated by quality and breadth of experience, emphasis in the Performance Test will be on measuring competitively, relative to job demands, each competitor's:</p> <p>A. Knowledge of:</p> <ol style="list-style-type: none">1. Mathematical modeling and computer programming languages, deterministic and stochastic linear and non-linear programming, Monte Carlo methods, finite difference/element/volume techniques, statistical methods including time series analysis and cost effectiveness analysis procedures and techniques, operations research techniques and modern heuristic optimization methods2. Water Resources System alternatives planning and evaluation3. Management problems and objectives, such as project planning and timeline scheduling and critical path methods4. Personnel management and supervision5. The Department's Equal Employment Opportunity objectives6. A lead person's in the Equal Employment Opportunity Program and the processes available to meet Equal Employment Opportunity objectives. <p>B. Ability to:</p> <ol style="list-style-type: none">1. Do unusually complex and advanced numerical and analytical research1. Direct the work of others2. Prepare effective reports3. Apply and direct the application of techniques of operations research to the solution of difficult problems4. Speak and write effectively5. Present technical research projects in lay language for management decisions6. Effectively contribute to the department's Equal Employment Opportunity objectives.

GENERAL INFORMATION

The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

For any examination without a written feature it is the candidate's responsibility to contact the Recruitment and Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

Applications are available at Department of Water Resources' (DWR) offices, the DWR web site: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.jobs.ca.gov

If you meet the requirements stated in this bulletin, you may take this examination, which is competitive. Possession of the requirements for admittance to the examination does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. California Relay Telephone Service for the Deaf or hearing impaired: from TDD phones: 1-800-735-2929 (TDD); 1-800-735-2922 (Voice)

For information regarding this examination, please contact Patrice Yang (916) 653-6330.

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